Technology at Work.®

JANAM

XP Series

Put your Palm OS applications to work.

Janam's XP Series rugged mobile computers combine the benefits of Palm OS® Garnet™ with the advanced features today's mobile applications demand. Purpose built for maximum performance, the XP Series is designed to:

- Support barcode scanning applications written for earlier versions of Palm OS
- Extend solutions with new functionality
- Improve productivity and performance

Reclaim your technology roadmap.

Janam's XP Series delivers state-of-the-art processor and memory technology in a remarkably small and light package. As a drop-in replacement for existing rugged Palm OS mobile computers, the XP Series provides an easy migration path that protects users' investments in legacy Palm applications and work processes. Now customers can continue to deploy their proven and cost-effective Palm OS applications as needed and upgrade their technology on their own timetable, not someone else's.

The right tool for the job.

Janam designed the **XP20** to execute mission-critical, data collection tasks in the enterprise. Every element of the product's form and function has a purpose. For example, the XP20 Series' custom, "bright-white" monochrome display was created because it offers the same 160x160 screen resolution as legacy Palm OS products, thereby facilitating application migration across hardware platforms. At the same time, the XP20 Series also delivers significant improvements over legacy Palm OS products, each one aimed at extending the product's reach into the enterprise. Customers no longer need to compromise on features like numeric keypad, 2D barcode scanning, permanent memory backup of applications and data, keypad backlighting, WLAN security, battery capacity and many more.

The **XP30** is the world's first fully-featured mobile computer that scans barcodes and runs the latest version of the Palm OS. A brilliant, color, quarter-VGA display and blazing Freescale™ architecture make the XP30 a best-of-breed, rugged, barcode scanning, mobile computer, while its list price makes it impossible to ignore. For customers who want to extend the reach and capability of their mobile Palm applications, the XP30 has the horsepower to execute mission-critical data collection tasks at the point of business activity. And for customers who are ready to switch to the Palm OS for its simplicity and its durability, the XP30 is a platform that pays for itself twice as fast as comparable devices.

XP20
with PDA Keypad

XP30
with Numeric Keypad

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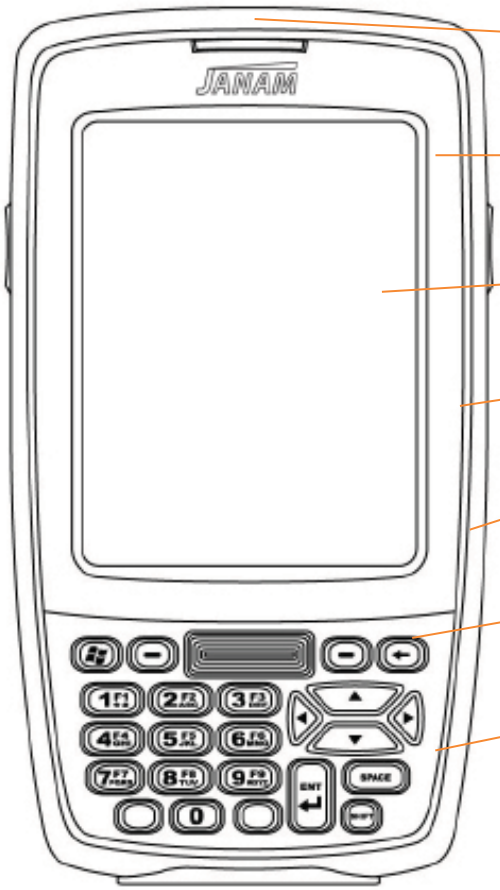
Purpose. Performance. Productivity.



1D and 2D Barcode Scanning
Expanded data collection capability with Adaptus® Imaging Technology

32MB SDRAM/64MB NAND and Total Recall
Power and performance plus complete application and user data backup

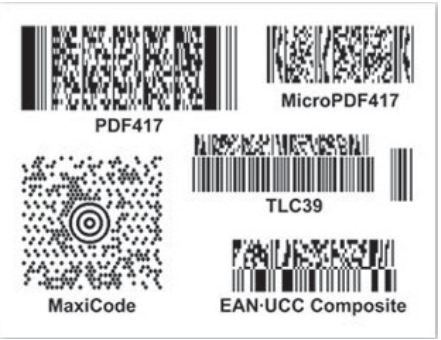
Color screen option
Supports graphics-intensive applications

Less than 10 ounces
Smaller and lighter than comparable mobile computers

Built tough for today's mobile workers
Sealed to IP54 standards and withstands drops from four feet to concrete

Keypad options - Numeric or PDA-style
Designed for application flexibility, both versions are backlit and easy to program

Enterprise class WLAN
Advanced WEP and WPA security protocols to protect mission-critical data transmission



With **Adaptus® Imaging Technology**, the XP Series easily reads all types of barcode symbologies including linear, stacked and two-dimensional. Regardless of the type of barcode used today, the XP Series offers the flexibility to adapt as business needs change, without the need to invest in new hardware.

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XP20 Series Specifications

TECHNICAL	
Operating System	Palm OS 5.4.9 Garnet
Processor	Freescale™ i.MX21 @266MHz
Memory	32MB SDRAM, 64MB NAND, NAND flash backup of OS, applications and user data
Expansion	User accessible microSD card slot
Power	Swappable 3.7V 2000mAh rechargeable Li-ion main battery; rechargeable 20mAh Ni-MH backup battery
PHYSICAL	
Dimensions	1.28" H x 3.11" W x 5.75" L / 32.5mm H x 79mm W x 146mm L
Weight	9.88oz / 280g with battery
Keypad	PDA keypad (with 4-way navigation) or numeric keypad
Display	Bright white monochrome FSTN 160x160 LCD display
Touch Panel	Analog resistance type; stylus input
ENVIRONMENTAL	
Operating Temperature	14° to 122°F / -10° to 50°C
Storage Temperature	-13° to 158°F / -25° to 70°C
Humidity	5% to 90% RH (no condensation)
Drop	Multiple 4ft / 1.2m drops to concrete on all sides across a wide temperature range
Water & Dust	IP54 Category II
Vibration	0.03 G^2/Hz from 20Hz to 2kHz; 1 hour random wave per axis
Electro Static Discharge (ESD)	+/- 15kVDC air; +/- 8kVDC contact
Sterilization	76.9% to 81.4% concentration alcohol rub
Ambient Light	450ft-candelas (artificial light); 8,000ft-candelas (sunlight)
INTERFACE FEATURES	
Audio	Buzzer
Alerts	Vibration, LED indicators, audio beep
LED Indicators	Tri-color
Scan Triggers	Left, right, center buttons
DATA CAPTURE	
Imager	1D/2D Adaptus® Imaging Technology; 752 x 480 pixel CMOS area imager
1D Symbologies	China Post, Codabar, Codablock F, Code 11, Code 16K, Code 32 Pharmaceutical (PARAF), Code 39, Code 49, Code 93 and 93i, Code 128, EAN-8, EAN-13, GS1-128, GS1 Databar (RSS-144, RSS Limited, RSS Expanded), Interleaved 2 of 5, ISBT 128, Matrix 2 of 5, Korea Post, MSI, Plessey Code, PosiCode, , Straight 2 of 5 IATA (two-bar start/stop), Straight 2 of 5 Industrial (three-bar start/stop), Telepen, Trioptic Code, UPC-A, UPC-A with Extended Coupon Code, UPC-E, UPC-E1
2D Symbologies (with firmware upgrade)	PDF417 (EAN-UCC Composite, MicroPDF417, PDF417, TCIF Linked Code 39, TLC39), 4-CB (4-State Customer Barcode), Australian Post, Aztec Code, Aztec Mesas, British Post, Canadian Post, GS1 Data Matrix, Han Xin, ID-tag (UPU 4-State), Japanese Post, KIX (Netherlands) Post, MaxiCode, OCR, Planet Code, Postnet, QR Code
DATA COMMUNICATION	
IrDA	Standard v1.2
USB	v1.1 client (up to 12Mbps)
WLAN	IEEE 802.11b, 2.4GHz, WPA support

ACCESSORIES

	Single-Slot Cradle Kit	RFID Reader	Stylus 5-Pack
	Four-Slot Cradle Kit	Cable Cup	Stylus Tether
	Modem Cradle Kit	Vehicle Charger	Nylon Holster
	Extended Capacity Battery	Syncing/Charging Cables	Adjustable Handstrap
	Magnetic Stripe Reader	Battery Charger	Operating Case

SAFETY/REGULATORY	
Safety	UL60950-1, CSA C22.2 No. 60950-1-03, EN60950-1:2001+A11, GS, NOM
EMI	FCC Part 15 Subpart B, EN55022:1998+A1: 2000+A2:2003, EN55024:1998+A1:2000+A2:2003, ICES-003 Issue 4, AS/NZS CISPR 22:2004
RF	FCC Part 15 Subpart C and Supart B, EN300 328 v1.6.1 (2004-11), EN301 489-1 v1.6.1 (2005-09), EN301 489-17 v1.2.1 (2002-08), RSS 210 Issue 6, COFETEL
Hazardous Locations	UL Listing (US and Canada) Class I Div 2, Groups A, B, C, D

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Power	Swappable 3.7V 2000mAh rechargeable Li-ion main battery; rechargeable 20mAh Ni-MH backup battery
PHYSICAL	
Dimensions	1.20" H x 3.11" W x 5.75" L / 30.5mm H x 79mm W x 146mm L
Weight	9.88oz / 280g with battery
Keypad	Backlit PDA keypad (with 4-way navigation) or backlit numeric keypad
Display	2.17" W x 2.95" L / 55.0mm W x 75.0mm L; 262K colors TFT QVGA (240x320)
Touch Panel	Analog resistance type; stylus input
ENVIRONMENTAL	
Operating Temperature	14° to 122°F / -10° to 50°C
Storage Temperature	-13° to 158°F / -25° to 70°C
Humidity	5% to 90% RH (no condensation)
Drop	Multiple 4ft / 1.2m drops to concrete on all sides across a wide temperature range
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Specifications subject to change.